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PATENTS, TRADEMARKS,
& COPYRIGHTS

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ALEXANDRIA, VIRGINIA 22320-0290**FACSIMILE COVER SHEET****FAX NUMBER:** (571) 273-0459**TO:** UNITED STATES PATENT AND TRADEMARK OFFICE**ATTENTION:** MS. ERIN THOMSON
PCT LEGAL**FROM:** MARY J. BREINER, ESQUIRE**DATE:** OCTOBER 11, 2005**NUMBER OF PAGES (INCLUDING COVER SHEET):** 46**ANY PROBLEM, PLEASE CALL:** (703) 684-6885**B&B CLIENT/REFERENCE NO.:** 5648/PCT

Re: United States Patent Application
Applicant: Andrew P. Jeapes et al
Serial No. 10/049,860 Filed August 7, 2002
PROCESS FOR RECYCLING IONIC LIQUIDS
Our Reference: 5648

RECEIVED
11 OCT 2005
Legal Staff
International Division

MARY J. BREINER,
REGISTRATION NO. 33,161

CONFIDENTIALITY NOTICE

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5648/PCT/tat

"PATENT APPLICATION"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ANDREW PHILIP JEAPES ET AL

U.S. Serial No. 10/049,860

Group Art Unit 1754

Filed: August 7, 2002

A. Hertzog, Examiner

PROCESS FOR RECYCLING
IONIC LIQUIDS-----
Alexandria, Virginia
October 11, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RESUBMISSION OF RESPONSE TO DECISION
ON PETITION UNDER 37 C.F.R. §1.182

Dear Sir:

Applicants filed on July 5, 2005 a Response To Decision On Petition Under 37 C.F.R. §1.182 with attachments in view of the Decision on Petition mailed May 4, 2005.

A copy of the Patent Office date-stamped postcard acknowledging receipt of the Response is attached.

In checking on the status of the Response, it was determined that the Response has not been entered yet in the file and not forwarded to PCT Legal for consideration. Accordingly, applicants are resubmitting the Response with attachments as filed July 5, 2005.

5648/PCT/USSN 10/049,860
Group Art Unit 1754

Favorable consideration of the Response is
requested.

Respectfully submitted,

ANDREW PHILIP JEAPES ET AL

By Mary J. Breiner
Mary J. Breiner, Attorney
Registration No. 33,161
BREINER & BREINER, L.L.C.
P.O. Box 19290
Alexandria, Virginia 22320-0290

Telephone: (703) 684-6885

Attachments - 07/05/05 PTO Date-Stamped Postcard
- 07/05/05 Response To Decision On Petition
Under 37 C.F.R. §1.182 With Attachments
-- Supplemental Inventors Declarations (7)
-- Declaration of Andrew Philip Jeapes
-- Declaration of Robert Charles Thied
-- Declaration of William Robert Pitner
-- Declaration of David William Rooney
-- Declaration of Thomas Welton

THE OFFICIAL DATED STAMP OF

(07/05/2005)

THE PATENT OFFICE HEREON

Mail Stop: Office of Petitions

IS ACKNOWLEDGMENT OF THE

FILING OF: Response To Decision On Petition Under 37 C.F.R.
§1.182; Seven (7) Supplemental Executed Inventor
Declarations; Declaration of Andrew Philip
Jeapes; Declaration of Robert Charles Thied;
Declaration of William Robert Pitner; Declaration
of David William Rooney; Declaration of Thomas
Welton

IN THE APPLICATION OF

Andrew Philip Jeapes et al (5648/PCT/Harrison Goddard Foote)

SERIAL NO. 10/049,860

TITLE Process For Recycling Ionic Liquids



5648/PCT/tat

"PATENT APPLICATION"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ANDREW PHILIP JEAPES ET AL.

U.S. Serial No. 10/049,860

Group Art Unit 1754

Filed: August 7, 2002

A. Hertzog, Examiner

PROCESS FOR RECYCLING
IONIC LIQUIDS-----
Alexandria, Virginia
July 5, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO DECISION
ON PETITION UNDER 37 C.F.R. 1.182

Dear Sir:

This is in response to the Decision On Petition Under 37 C.F.R. 1.182 mailed May 4, 2005 dismissing without prejudice the Petition filed March 21, 2005. Applicants renew the Petition Under 37 C.F.R. 1.182 requesting that the executed declaration filed August 7, 2002 and the executed supplemental declarations (7) filed concurrently herewith having corrected inventors names be accepted.

The petition fee was earlier submitted March 21, 2005 as acknowledged in the Decision mailed May 4, 2005. If any additional fee is required, however, the Commissioner is

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Group Art Unit 1754

authorized to charge the undersigned's Deposit Account No.
02-3690.

STATEMENT OF FACTS

On February 19, 2002, the present patent application was filed with an unexecuted declaration. On August 7, 2002, an executed declaration was filed in response to a Notice of Missing Requirements Under 35 U.S.C. §371 in the United States Designated/Elected Office mailed May 10, 2002. The executed declaration identified International Application No. PCT/GB00/03234 filed August 20, 2000 and seven named inventors wherein five of the seven named inventors did not provide at least one given name; and wherein the listed inventor "Andrew Philip Jeapes" residing at Seascale, Cumbria, Great Britain with the inventor's signature as "Andrew Philip Jeapes", appeared on the WIPO Publication WO 01/15175 A2 as "A.J. Jeapes" with a listed address for Seascale, Cumbria, Great Britain. The official action mailed September 21, 2004 stated that a petition under 37 C.F.R. §1.182 is required to accept the executed declaration with the name "Andrew Philip Jeapes" since this name is different from that in the International publication. The Decision on Petition mailed May 4, 2005 further stated that a declaration of each of the five

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Group Art Unit 1754

inventors who did not provide a given name was required to identify themselves as the same corresponding inventor as named in WIPO Publication WO 01/15175, and that full declarations were required by each of the named inventors.

Accordingly, attached hereto is a full supplemental declaration of each inventor with given and family names as set forth therein, and declarations of each of Andrew Philip Jeapes, Robert Charles Thied, William Robert Pitner, David William Rooney and Thomas Welton stating, respectively that he is the correspondingly named inventor as appears on the declaration filed August 7, 2002 as well as the declaration filed March 21, 2005; and that he is the same inventor as the correspondingly named inventor in the WIPO Publication WO 01/15175 A2. The declaration of Andrew Philip Jeapes also states that he presumes that his name as "A.J. Jeapes" on the WIPO Publication WO 01/15175 A2 was a typographical error. It is noted that the declarations of Kenneth Richard Seddon and William Robert Pitner each contain a handwritten correction to the address made on the date of signature as written and initialed by the respective inventor. It is further noted that the declaration of Justine Hatter is a facsimile transmission copy.

5648/PCT/USSN 10/049,860
Group Art Unit 1754

CONCLUSION

Accordingly, it is requested that the executed declaration filed on August 7, 2002 and the supplemental declarations filed concurrently herewith having the full proper names of each of the inventors be accepted.

Respectfully submitted,

ANDREW PHILIP JEAPES ET AL

By Mary J. Breiner
Mary J. Breiner, Attorney
Registration No. 33,161
BREINER & BREINER, L.L.C.
115 North Henry Street
P.O. Box 19290
Alexandria, Virginia 22320-0290

Telephone: (703) 684-6885

Attachments - Supplemental Inventors Declarations (7)
- Declaration of Andrew Philip Jeapes
- Declaration of Robert Charles Thied
- Declaration of William Robert Pitner
- Declaration of David William Rooney
- Declaration of Thomas Welton

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

Docket No. 5648

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PROCESS FOR RECYCLING IONIC LIQUIDS

the specification of which is attached hereto unless the following box is checked:

[X] was filed on 21 August 2000 as International Application Number PCT/GB00/03234 and was amended on 09 November 2001 and U.S. Serial No. 10/049,860 filed August 7, 2002 and amended on March 21, 2005.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

9919606.5 Great Britain 19 August 1999 Yes [X] No []
(Number) (Country) (Day/Month/Year Filed)

 Yes [] No []
(Number) (Country) (Day/Month/Year Filed)

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5643

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.)

(Filing Date)

(Status-patented, pending, abandoned)

(Application No.)

(Filing Date)

(Status-patented, pending, abandoned)

I (we) hereby appoint the following attorney with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

THEODORE A. BREINER, Reg. No. 32,103; MARY J. BREINER,
Reg. No. 33,161; and JENNIFER A. PULSINELLI, Reg. No.
52,139.

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P.O. Box 19290, Alexandria, Virginia 22320-0290

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Mary J. Breiner at (703) 684-6885

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole or First Inventor:
(given name, family name) Andrew Philip JEEVES

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: British

Mailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITAIN

Full Name of Second Joint Inventor
(given name, family name) Robert Charles THIRD

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: British

Mailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITAIN

Full Name of Third Joint Inventor
(given name, family name) Kenneth Richard SEDDON

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: British

Mailing Address: Ouestor Centre, Queens University, David Keir
Building, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5548

Full Name of Fourth Joint Inventor:
(given name, family name) William Robert PITNER

Inventor's Signature _____ Date _____

Residence: Damstadt, Germany Citizenship: United States

Mailing Address: c/o MerckKGa, NB-C Frankfurter strasse, 250

D-64271 Damstadt, GERMANY

Full Name of Fifth Joint Inventor:
(given name, family name) David William ROONEY

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: Ireland

Mailing Address: Quesnor Centre, Queens University, David Keir

Building, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

Full Name of Sixth Joint Inventor:
(given name, family name) Justine Elizabeth HATTER

Inventor's Signature Justine Elizabeth Hatter Date 29/6/05

Residence: Cheshire, Great Britain Citizenship: British

Mailing Address: Risley, Warrington, Cheshire, WA3 6AS

GREAT BRITAIN

Full Name of Seventh Joint Inventor:
(given name, family name) Thomas WELTON

Inventor's Signature _____ Date _____

Residence: London, Great Britain Citizenship: British

Mailing Address: Imperial College, Department of Chemistry,

Prince Consort Road, London, GREAT BRITAIN

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

Docket No. 5648

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PROCESS FOR RECYCLING IONIC LIQUIDS

the specification of which is attached hereto unless the following box is checked:

[X] was filed on 21 August 2000 as International Application Number PCT/GB00/03234 and was amended on 09 November 2001 and U.S. Serial No. 10/049,860 filed August 7, 2002 and amended on March 21, 2005.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

9919606.5 Great Britain 19 August 1999 Yes [X] No []
(Number) (Country) (Day/Month/Year Filed)

_____ _____ _____ Yes [] No []
(Number) (Country) (Day/Month/Year Filed)

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

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(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

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(Application No.)

(Filing Date)

(Status-patented, pending, abandoned)

(Application No.)

(Filing Date)

(Status-patented, pending, abandoned)

I (we) hereby appoint the following attorney with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

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Full Name of Sole or First Inventor:

(given name, family name) Andrew Philip JEAPES

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITIAN

Full Name of Second Joint Inventor

(given name, family name) Robert Charles THIED

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITIAN

Full Name of Third Joint Inventor

(given name, family name) Kenneth Richard SEDDONInventor's Signature [Signature] Date 24/6/05Residence: Belfast, Great Britain Citizenship: BritishMailing Address: 10 Quill
Quarter Centre, Queens University, David Keir
Building, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

Full Name of Fourth Joint Inventor:

(given name, family name) William Robert PITNER

Inventor's Signature _____ Date _____

Residence: Damstadt, Germany Citizenship: United StatesMailing Address: c/o MerckKGa, NB-C Frankfurter Strasse, 250D-64271 Damstadt, GERMANY

Full Name of Fifth Joint Inventor:

(given name, family name) David William ROONEY

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: IrelandQuillMailing Address: Questron Centre, Queens University, David KeirBuilding, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

Full Name of Sixth Joint Inventor:

(given name, family name) Justine Elizabeth HATTER

Inventor's Signature _____ Date _____

Residence: Cheshire, Great Britain Citizenship: BritishMailing Address: Risley, Warrington, Cheshire, WA3 6ASGREAT BRITAIN

Full Name of Seventh Joint Inventor:

(given name, family name) Thomas WELTON

Inventor's Signature _____ Date _____

Residence: London, Great Britain Citizenship: BritishMailing Address: Imperial College, Department of Chemistry,Prince Consort Road, London, GREAT BRITAIN

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

Docket No. 5648

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Priority Claimed

9919606.5 Great Britain 19 August 1999 Yes [X] No []
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Full Name of Sole or First Inventor:

(given name, family name) Andrew Philip JEAPESInventor's Signature Andrew Philip Jeape Date 8th June 2005Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PGGREAT BRITIAN

Full Name of Second Joint Inventor

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Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: BritishMailing Address: Questor Centre, Queens University, David KeirBuilding, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

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Inventor's Signature _____ Date _____

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Inventor's Signature _____ Date _____

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Full Name of Sixth Joint Inventor:

(given name, family name) Justine Elizabeth HATTER

Inventor's Signature _____ Date _____

Residence: Cheshire, Great Britain Citizenship: BritishMailing Address: Risley, Warrington, Cheshire, WA3 6ASGREAT BRITAIN

Full Name of Seventh Joint Inventor:

(given name, family name) Thomas WELTON

Inventor's Signature _____ Date _____

Residence: London, Great Britain Citizenship: BritishMailing Address: Imperial College, Department of Chemistry,Prince Consort Road, London, GREAT BRITAIN

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(given name, family name) Andrew Philip JEAPES

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PGGREAT BRITIAN

Full Name of Second Joint Inventor

(given name, family name) Robert Charles THIEDInventor's Signature Robert Charles Thied Date 9th June 2005Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PGGREAT BRITIAN

Full Name of Third Joint Inventor

(given name, family name) Kenneth Richard SEDDON

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: BritishMailing Address: Questor Centre, Queens University, David KeirBuilding, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

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Full Name of Fifth Joint Inventor:

(given name, family name) David William ROONEY

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: IrelandMailing Address: Questor Centre, Queens University, David KeirBuilding, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

Full Name of Sixth Joint Inventor:

(given name, family name) Justine Elizabeth HATTER

Inventor's Signature _____ Date _____

Residence: Cheshire, Great Britain Citizenship: BritishMailing Address: Risley, Warrington, Cheshire, WA3 6ASGREAT BRITAIN

Full Name of Seventh Joint Inventor:

(given name, family name) Thomas WELTON

Inventor's Signature _____ Date _____

Residence: London, Great Britain Citizenship: BritishMailing Address: Imperial College, Department of Chemistry,Prince Consort Road, London, GREAT BRITAIN

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

Docket No. 5648

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled PROCESS FOR RECYCLING IONIC LIQUIDS

the specification of which is attached hereto unless the following box is checked:

[X] was filed on 21 August 2000 as International Application Number PCT/GB00/03234 and was amended on 09 November 2001 and U.S. Serial No. 10/049,860 filed August 7, 2002 and amended on March 21, 2005.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

| | | | |
|------------------------------|-----------------------------------|---|----------------|
| <u>9919606.5</u> (Number) | <u>Great Britain</u> (Country) | <u>19 August 1999</u> (Day/Month/Year Filed) | Yes [X] No [] |
| <hr/> | <hr/> | <hr/> | Yes [] No [] |

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

(Application Number) (Filing Date)

(Application Number) (Filing Date)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.) (Filing Date) • (Status-patented, pending, abandoned)

(Application No.) (Filing Date) • (Status-patented, pending, abandoned)

I (we) hereby appoint the following attorney with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

THEODORE A. BREINER, Reg. No. 32,103; MARY J. BREINER,
Reg. No. 33,161; and JENNIFER A. PULSINELLI, Reg. No.
52,139.

Address all correspondence to -

BREINER & BREINER, L.L.C., 115 North Henry Street
P.O. Box 19290, Alexandria, Virginia 22320-0290

Address all telephone calls to -

Mary J. Breiner at (703) 684-6885

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole or First Inventor:

(given name, family name) Andrew Philip JEAPES

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITIAN

Full Name of Second Joint Inventor

(given name, family name) Robert Charles THIED

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITIAN

Full Name of Third Joint Inventor

(given name, family name) Kenneth Richard SEDDON

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: BritishMailing Address: Questor Centre, Queens University, David Keir
Building, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

Full Name of Fourth Joint Inventor:

(given name, family name) William Robert PITNERInventor's Signature William Robert PITNER Date 20.06.2005Residence: Damstadt, Germany Citizenship: United States
Merck KGaA DarmstadtMailing Address: c/o Merck KGaA, NB c Frankfurter Strasse, 250
Darmstadt D-64271 Damstadt, GERMANY

Full Name of Fifth Joint Inventor:

(given name, family name) David William ROONEY

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: IrelandMailing Address: Questor Centre, Queens University, David Keir
Building, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

Full Name of Sixth Joint Inventor:

(given name, family name) Justine Elizabeth HATTER

Inventor's Signature _____ Date _____

Residence: Cheshire, Great Britain Citizenship: BritishMailing Address: Risley, Warrington, Cheshire, WA3 6AS
GREAT BRITAIN

Full Name of Seventh Joint Inventor:

(given name, family name) Thomas WELTON

Inventor's Signature _____ Date _____

Residence: London, Great Britain Citizenship: BritishMailing Address: Imperial College, Department of Chemistry,
Prince Consort Road, London, GREAT BRITAIN

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

Docket No. 5648

As a below named inventor, I hereby declare that:

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the specification of which is attached hereto unless the following box is checked:

[X] was filed on 21 August 2000 as International Application Number PCT/GB00/03234 and was amended on 09 November 2001 and U.S. Serial No. 10/049,860 filed August 7, 2002 and amended on March 21, 2005.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

9919606.5 Great Britain 19 August 1999 Yes [X] No []
(Number) (Country) (Day/Month/Year Filed)

_____ _____ _____ Yes [] No []
(Number) (Country) (Day/Month/Year Filed)

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

| | |
|----------------------|---------------|
| (Application Number) | (Filing Date) |
|----------------------|---------------|

| | |
|----------------------|---------------|
| (Application Number) | (Filing Date) |
|----------------------|---------------|

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

| | | |
|-------------------|---------------|---------------------------------------|
| (Application No.) | (Filing Date) | (Status-patented, pending, abandoned) |
|-------------------|---------------|---------------------------------------|

| | | |
|-------------------|---------------|---------------------------------------|
| (Application No.) | (Filing Date) | (Status-patented, pending, abandoned) |
|-------------------|---------------|---------------------------------------|

I (we) hereby appoint the following attorney with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

THEODORE A. BREINER, Reg. No. 32,103; MARY J. BREINER, Reg. No. 33,161; and JENNIFER A. PULSINELLI, Reg. No. 52,139.

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COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

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Full Name of Sole or First Inventor:

(given name, family name) Andrew Philip JEAPES

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITIAN

Full Name of Second Joint Inventor

(given name, family name) Robert Charles THIED

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PG
GREAT BRITIAN

Full Name of Third Joint Inventor

(given name, family name) Kenneth Richard SEDDON

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: BritishMailing Address: Questor Centre, Queens University, David Keir
Building, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

Full Name of Fourth Joint Inventor:

(given name, family name) William Robert PITNER

Inventor's Signature _____ Date _____

Residence: Damstadt, Germany Citizenship: United StatesMailing Address: c/o MerckKGa, NB-C Frankfurter Strasse, 250
D-64271 Damstadt, GERMANY

Full Name of Fifth Joint Inventor:

(given name, family name) David William ROONEYInventor's Signature [Signature] Date 24 June 2005Residence: Belfast, Great Britain Citizenship: IrelandMailing Address: Questor Centre, Queens University, David Keir
Building, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

Full Name of Sixth Joint Inventor:

(given name, family name) Justine Elizabeth HATTER

Inventor's Signature _____ Date _____

Residence: Cheshire, Great Britain Citizenship: BritishMailing Address: Risley, Warrington, Cheshire, WA3 6AS
GREAT BRITAIN

Full Name of Seventh Joint Inventor:

(given name, family name) Thomas WELTON

Inventor's Signature _____ Date _____

Residence: London, Great Britain Citizenship: BritishMailing Address: Imperial College, Department of Chemistry,
Prince Consort Road, London, GREAT BRITAIN

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

Docket No. 5648

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the specification of which is attached hereto unless the following box is checked:

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Prior Foreign Application(s)

Priority Claimed

9919606.5 Great Britain 19 August 1999 Yes [X] No []
(Number) (Country) (Day/Month/Year Filed)

_____ _____ _____ Yes [] No []
(Number) (Country) (Day/Month/Year Filed)

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

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| | |
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| (Application Number) | (Filing Date) |
| (Application Number) | (Filing Date) |

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| | | |
|-------------------|---------------|---------------------------------------|
| (Application No.) | (Filing Date) | (Status-patented, pending, abandoned) |
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I (we) hereby appoint the following attorney with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

THEODORE A. BREINER, Reg. No. 32,103; MARY J. BREINER, Reg. No. 33,161; and JENNIFER A. PULSINELLI, Reg. No. 52,139.

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BREINER & BREINER, L.L.C., 115 North Henry Street
P.O. Box 19290, Alexandria, Virginia 22320-0290

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Mary J. Breiner at (703) 684-6885

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

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Full Name of Sole or First Inventor:

(given name, family name) Andrew Philip JEAPES

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PGGREAT BRITIAN

Full Name of Second Joint Inventor

(given name, family name) Robert Charles THIED

Inventor's Signature _____ Date _____

Residence: Seascale, Cumbria, Great Britain Citizenship: BritishMailing Address: Sellafield Works, Seascale, Cumbria, CA20 1PGGREAT BRITIAN

Full Name of Third Joint Inventor

(given name, family name) Kenneth Richard SEDDON

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: BritishMailing Address: Questor Centre, Queens University, David KeirBuilding, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

COMBINED DECLARATION & POWER OF ATTORNEYDocket No. 5648

Full Name of Fourth Joint Inventor:

(given name, family name) William Robert PITNER

Inventor's Signature _____ Date _____

Residence: Damstadt, Germany Citizenship: United StatesMailing Address: c/o MerckKGa, NB-C Frankfurter Strasse, 250D-64271 Damstadt, GERMANY

Full Name of Fifth Joint Inventor:

(given name, family name) David William ROONEY

Inventor's Signature _____ Date _____

Residence: Belfast, Great Britain Citizenship: IrelandMailing Address: Questor Centre, Queens University, David KeirBuilding, Stanmillis Road, Belfast B79 5AG GREAT BRITAIN

Full Name of Sixth Joint Inventor:

(given name, family name) Justine Elizabeth HATTER

Inventor's Signature _____ Date _____

Residence: Cheshire, Great Britain Citizenship: BritishMailing Address: Risley, Warrington, Cheshire, WA3 6ASGREAT BRITAIN

Full Name of Seventh Joint Inventor:

(given name, family name) Thomas WELTONInventor's Signature Witt Date 8/6/05Residence: London, Great Britain Citizenship: BritishMailing Address: Imperial College, Department of Chemistry,Prince Consort Road, London, GREAT BRITAIN

5648/tat

"PATENT APPLICATION"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
ANDREW PHILIP JEAPES ET AL
U.S. Serial No. 10/049,860
Filed: August 7, 2002
PROCESS FOR RECYCLING
IONIC LIQUIDS

Group Art Unit 1754

A. Hertzog, Examiner

DECLARATION OF ANDREW PHILIP JEAPES

Andrew Philip Jeapes declares as follows:

1. That he is the named inventor "Andrew Philip Jeapes" on the executed declaration executed June 10, 2002 and filed August 7, 2002, as well as the declaration executed March 14, 2005 filed March 21, 2005.

2. That he is the same inventor as the inventor named in the WIPO publication WO 01/15175 A2 as "A. J. Jeapes."

3. That he presumes that his name as "A. J. Jeapes" on the WIPO publication WO 01/15175 A2 was a typographical error.

4. That the failure to type out at least one full given name did not involve any deceptive intent as evidenced by the fact that I signed the original declaration filed August 7, 2002 using my given name.

5648/USSN 10/049,860
Group Art Unit 1754

I declare that all statements made herein are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent resulting therefrom.

Date: 8th June 2005

Andrew Philip Jeapes
Andrew Philip Jeapes

5648/tat

"PATENT APPLICATION"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ANDREW PHILIP JEAPES ET AL

U.S. Serial No. 10/049,860

Group Art Unit 1754

Filed: August 7, 2002

A. Hertzog, Examiner

PROCESS FOR RECYCLING
IONIC LIQUIDSDECLARATION OF ROBERT CHARLES THIED

Robert Charles Thied declares as follows:

1. That he is the named inventor "Robert Charles Thied" on the executed declaration executed July 31, 2002 and filed August 7, 2002, as well as the declaration executed March 18, 2005 filed March 21, 2005.

2. That he is the same inventor as the inventor named in the WIPO publication WO 01/15175 A2 as "R. C. Thied."

3. That the failure to type out at least one full given name did not involve any deceptive intent as evidenced by the fact that I signed the original declaration filed August 7, 2002 using my given name.

5648/USSN 10/049,860
Group Art Unit 1754

I declare that all statements made herein are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent resulting therefrom.

Date: 11. June 2005

Robert Charles Thied
Robert Charles Thied

5648/tat

"PATENT APPLICATION"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ANDREW PHILIP JEAPES ET AL

U.S. Serial No. 10/049,860

Group Art Unit 1754

Filed: August 7, 2002

A. Hertzog, Examiner

PROCESS FOR RECYCLING
IONIC LIQUIDSDECLARATION OF WILLIAM ROBERT PITNER

William Robert Pitner declares as follows:

1. That he is the named inventor "William Robert Pitner" on the executed declaration executed April 22, 2002 and filed August 7, 2002, as well as the declaration executed March 2, 2005 filed March 21, 2005.

2. That he is the same inventor as the inventor named in the WIPO publication WO 01/15175 A2 as "W. R. Pitner."

3. That the failure to type out at least one full given name did not involve any deceptive intent as evidenced by the fact that I signed the original declaration filed August 7, 2002 using my given name.

5648/USSN 10/049,860
Group Art Unit 1754

I declare that all statements made herein are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent resulting therefrom.

Date: 20.06.2005

William Robert Pitner

William Robert Pitner

5648/tat

"PATENT APPLICATION"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ANDREW PHILIP JEAPES ET AL

U.S. Serial No. 10/049,860

Group Art Unit 1754

Filed: August 7, 2002

A. Hertzog, Examiner

PROCESS FOR RECYCLING
IONIC LIQUIDS

- - - - -

DECLARATION OF DAVID WILLIAM ROONEY

David William Rooney declares as follows:

1. That he is the named inventor "David William Rooney" on the executed declaration executed May 22, 2002 and filed August 7, 2002, as well as the declaration executed March 18, 2005 filed March 21, 2005.

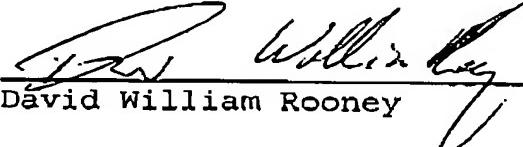
2. That he is the same inventor as the inventor named in the WIPO publication WO 01/15175 A2 as "D. W. Rooney."

3. That the failure to type out at least one full given name did not involve any deceptive intent as evidenced by the fact that I signed the original declaration filed August 7, 2002 using my given name.

5648/USSN 10/049,860
Group Art Unit 1754

I declare that all statements made herein are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent resulting therefrom.

Date: 24 JUNE 2005



David William Rooney

5648/tat

"PATENT APPLICATION"

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

ANDREW PHILIP JEAPES ET AL

U.S. Serial No. 10/049,860

Group Art Unit 1754

Filed: August 7, 2002

A. Hertzog, Examiner

PROCESS FOR RECYCLING
IONIC LIQUIDS

DECLARATION OF THOMAS WELTON

Thomas Welton declares as follows:

1. That he is the named inventor "Thomas Welton" on the executed declaration executed June 13, 2002 and filed August 7, 2002, as well as the declaration executed March 17, 2005 filed March 21, 2005.

2. That he is the same inventor as the inventor named in the WIPO publication WO 01/15175 A2 as "T. Welton."

3. That the failure to type out at least one full given name did not involve any deceptive intent as evidenced by the fact that I signed the original declaration filed August 7, 2002 using my given name.

5648/USSN 10/049,860
Group Art Unit 1754

I declare that all statements made herein are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent resulting therefrom.

Date: 8/6/05


Thomas Welton

*** RX REPORT ***

RECEPTION OK

| | |
|-------------------|-------------|
| TX/RX NO | 9260 |
| RECIPIENT ADDRESS | 7036848206 |
| DESTINATION ID | |
| ST. TIME | 10/11 12:47 |
| TIME USE | 05 '41 |
| PGS. | 45 |
| RESULT | OK |